

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 50 AND MD 331 (DOVER ROAD) IN TALBOT COUNTY. US 50 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

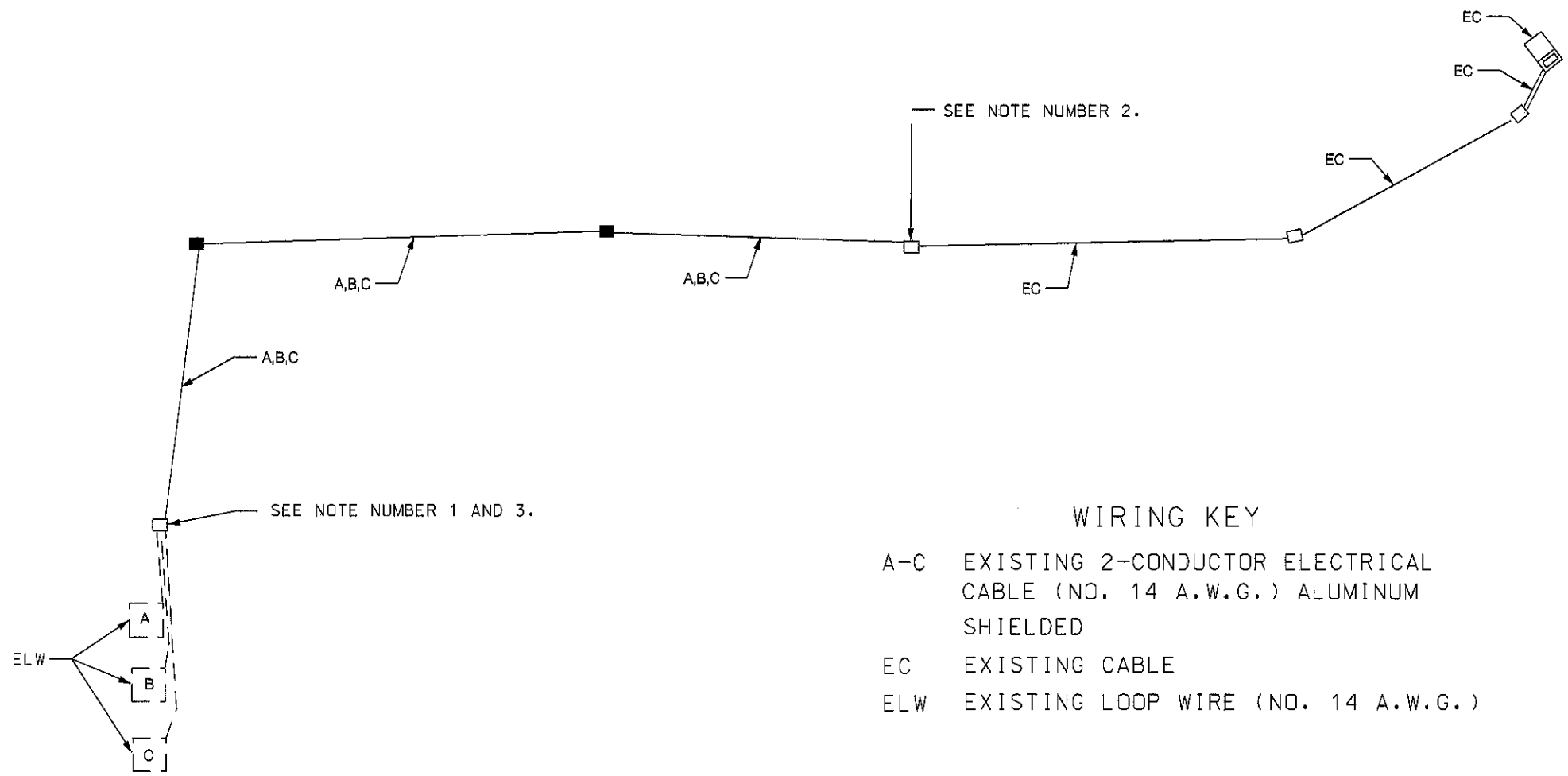
INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASING FOR EASTBOUND AND WESTBOUND US 50, SPLIT PHASING FOR NORTHBOUND AND SOUTHBOUND MD 331(DOVER ROAD), AND FIREHOUSE PRE-EMPTION.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A BASE MOUNTED CABINET IS BEING USED.

WIRING DIAGRAM



NOTE:

- 1. DISCONNECT 2-CONDUCTOR ALUMINUM SHEILDDED CABLES (A,B,C) FROM EXISTING LOOP WIRE.
- 2. PULL BACK EXISTING 2-CONDUCTOR ALUMINUM SHIELDDED CABLES (A,B,C) TO THIS HANDHOLE AND RE-WIRE THROUGH PROPOSED CONDUIT.
- 3. SPLICE EXISTING 2-CONDUCTOR ALUMINIUM SHIELDDED CABLES (A,B,C) TO EXISTING LOOP WIRE.

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 & 5	R	R	R	R	R	R	R	R	R	R	R	R
1 & 5 CHANGE	PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6											
PHASE 1 & 6	R	R	R	R	R	R	R	R	R	R	R	R
1 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 & 5	R	R	R	R	R	R	R	R	R	R	R	R
5 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 & 6	R	R	R	R	R	R	R	R	R	R	R	R
2 & 6 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	R	R	R	R	R	R
3 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 4	R	R	R	R	R	R	R	R	R	R	R	R
4 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PRE-EMPTION A	R	R	R	R	R	R	R	R	R	R	R	R
CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PRE-EMPTION B	R	R	R	R	R	R	R	R	R	R	R	R
CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PRE-EMPTION C	R	R	R	R	R	R	R	R	R	R	R	R
CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

EQUIPMENT LIST "A"

A. APPROVED SHA EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

MR. ROBERT KIEL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 778-3061

MR. TERRY WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 778-3061

MR. BARRY CLOTHIER
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 778-3061

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8048	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8052	50 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
8072	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8091	130 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
---	400 LF	PULL BACK AND RE-WIRING EXISTING CABLE

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		
ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR		

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION
US 50 AND MD 331 (DOVER ROAD)

DRAWN BY: M.HOWELL	F.A.P. NO.	TS NO.	
CHECKED BY: T.ZAYDEL	S.H.A. NO.	538F-G1	
SCALE: 1" = 20'	COUNTY: TALBOT	T.I.M.S. NO.	SHEET NO.
DATE: 3/2004	LOG MILE: 20005011.49	G-318	2 OF 2